1:2:4 74.00 cost

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/741d/CEMENT/2014-15 Date: 23.01.2015

TEST REPORT ON CEMENT

* CUSTOMER	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
*AGENCY	:	**Mr. K. Madava Reddy,** No.900, Bagalagunte, Muneshwara Layout, Bangalore.
*NAME OF THE WORK	:	Improvements and Construction of CC Road and Drain at Prashantha Nagara 1st and 2nd Cross Road connected to S. Ramesh Road in Dasarahalli Ward No.15, BBMP, Bangalore.
REFERENCE	:	BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	20.01.2015
PERIOD OF TESTING	:	20.01.2015 to 23.01.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	30.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	165 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	470 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/741d/CUBE/2014-15 27.02.2015

TEST REPORT ON COMPRESSIVE STRENGHT OF CONCRETE CUBES

*** Customer** : **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. K. Madava Reddy,**
No.900, Bagalagunte, Muneshwara Layout, Bangalore.

*** Name of the work** : Improvements and Construction of CC Road and Drain at Prashantha Nagara 1st and 2nd Cross Road connected to S. Ramesh Road in Dasarahalli Ward No.15, BBMP, Bangalore.

*** Reference** : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15} M 7.5

Compressive Strength as o: 28^{th} day

Sample Received on : 30.01.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.01.2015	27.02.2015	8.156	366.2	16.28
2	30.01.2015	27.02.2015	8.297	378.7	16.83
3	30.01.2015	27.02.2015	8.387	392.5	17.44

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Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-560 073.

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Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/741d/CC Solid Block/2014-15 : 24.01.2015

TEST REPORT ON SOLID CONCRETE BLOCKS

* Customer	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: **Mr. K. Madava Reddy,** No.900, Bagalagunte, Muneshwara Layout, Bangalore.
* Name of the Work	: Improvements and Construction of CC Road and Drain at Prashantha Nagara 1st and 2nd Cross Road connected to S. Ramesh Road in Dasarahalli Ward No.15, BBMP, Bangalore.
Reference	: BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015
Sample Received on	: 20.01.2015
Date of Testing	: 24.01.2015
Size of Blocks	: 400mm x 200mm x 200mm
Cross Sectional Area	: 80000 mm^2
Technical Reference	: IS: 2185 (Part 1) - 2005
No. of Blocks Tested	: 08

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	25.48	262.5	3.28	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	26.32	264.8	3.31	
3	Block 3	25.78	261.5	3.27	
4	Block 4	24.53	259.3	3.24	
5	Block 5	26.98	263.8	3.30	
6	Block 6	25.47	262.7	3.28	
7	Block 7	26.52	264.3	3.30	
8	Block 8	25.87	265.4	3.32	

*Information is furnished by the Customer/Representative.

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Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/741d/SAND-Gradation/2014-15 : 23.01.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

*** Customer** : **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. K. Madava Reddy,**
No.900, Bagalagunte, Muneshwara Layout, Bangalore.

*** Name of Work** : Improvements and Construction of CC Road and Drain at Prashantha Nagara 1st and 2nd Cross Road connected to S. Ramesh Road in Dasarahalli Ward No.15, BBMP, Bangalore.

Reference : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 20.01.2015

Date of Testing : 23.01.2015

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	95.74	90-100	90-100	90-100	95-100
2.36	83.16	60-95	75-100	85-100	95-100
1.18	56.79	30-70	55-90	75-100	90-100
600 Micron	26.93	15-34	35-59	60-79	80-100
300 Micron	14.59	5-20	8-30	12-40	15-50
150 Micron	8.36	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

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Remarks : This sample is under Zone-I specific limits.

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Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/741d/AGG/GR/2014-15 : 23.01.2015

TEST REPORT ON COARSE AGGREGATES

*** Customer**	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
*** Agency**	: **Mr. K. Madava Reddy,** No.900, Bagalagunte, Muneshwara Layout, Bangalore.
*** Name of Work**	: Improvements and Construction of CC Road and Drain at Prashantha Nagara 1st and 2nd Cross Road connected to S. Ramesh Road in Dasarahalli Ward No.15, BBMP, Bangalore.
Reference	: BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (20mm)
Sample Received on	: 20.01.2015
Date of Testing	: 23.01.2015

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS :383-1970 (RA- 2007)	
		Graded	Single Sized
40	100	100	100
20	97.10	95-100	85-100
10	31.94	25-55	0-20
4.75	4.60	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

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TEST REPORT ON COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: **Mr. K. Madava Reddy,** No.900, Bagalagunte, Muneshwara Layout, Bangalore.
* Name of Work	: Improvements and Construction of CC Road and Drain at Prashantha Nagara 1st and 2nd Cross Road connected to S. Ramesh Road in Dasarahalli Ward No.15, BBMP, Bangalore.
Reference	: BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (40mm)
Sample Received on	: 20.01.2015
Date of Testing	: 23.01.2015

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	96.25	95-100	85-100
20	68.65	30-70	0-20
10	30.40	10-35	0-5
4.75	3.10	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

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